

## EAST Search History

| Ref # | Hits | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|------|---|-----------------|------------------|---------|------------------|
| L1    | 1555 | (423/700-718.ccls.) and (composition or ratio)  | US-PGPUB; USPAT | OR               | ON      | 2007/11/28 12:52 |
| L2    | 4    | US-4257885-\$.DID. OR US-4565681-\$.DID. OR US-5240892-\$.DID. OR US-5254327-\$.DID.  | US-PGPUB; USPAT | OR               | ON      | 2007/11/28 12:52 |
| S1    | 1658 | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.)   | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 08:11 |
| S3    | 0    | (423/700-718.ccls.) and "M.sub.2O/SiO.sub.2"  | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 08:12 |
| S4    | 18   | (423/700-718.ccls.) and "M.sub.2O\$"  | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 08:13 |
| S5    | 1364 | (423/700-718.ccls.) and "SiO.sub.2"   | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 08:56 |
| S6    | 1796 | (423/700-718.ccls.)   | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 08:57 |
| S8    | 234  | (423/700-718.ccls.) and (composition or ratio) and "H.sub.2O"\$   | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 10:29 |
| S9    | 123  | (423/700-718.ccls.) and (composition or ratio) and "H.sub.2O/"\$  | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 10:32 |
| S10   | 123  | (423/700-718.ccls.) and "H.sub.2O/"\$   | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 10:32 |
| S11   | 56   | (423/700-718.ccls.) and "H.sub.2O/"\$ and (nucleation or nucleated or nucleate or nuclei)   | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 10:34 |
| S12   | 0    | (423/700-718.ccls.) and @ad< 12/30/2001   | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 10:43 |
| S13   | 1240 | (423/700-718.ccls.) and @ad< "20011230"   | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 10:44 |
| S14   | 350  | (423/700-718.ccls.) and @ad< "20011230" and sodium adj hydroxide and (sodium adj aluminate or aluminum adj hydroxide) and (sodium adj silicate or white adj carbon or boehmite or colloidal adj silica) | US-PGPUB; USPAT | OR               | ON      | 2007/10/30 10:56 |

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| S15 | 37  | (423/700-718.ccls.) and @ad<"20011230" and sodium adj hydroxide and (sodium adj aluminate or aluminum adj hydroxide) and (sodium adj silicate or white adj carbon or boehmite or colloidal adj silica) and (hexagonal or spiral)                                     | US-PGPUB; USPAT | OR | ON | 2007/10/30 11:06 |
| S16 | 37  | (423/700-718.ccls.) and @ad<"20011230" and sodium adj hydroxide and (sodium adj aluminate or aluminum adj hydroxide) and (sodium adj silicate or water adj glass or white adj carbon or boehmite or colloidal adj silica) and (hexagonal or spiral)                  | US-PGPUB; USPAT | OR | ON | 2007/10/30 11:17 |
| S17 | 357 | (423/700-718.ccls.) and @ad<"20011230" and sodium adj hydroxide and (sodium adj aluminate or aluminum adj hydroxide) and (sodium adj silicate or water adj glass or white adj carbon or boehmite or colloidal adj silica)  | US-PGPUB; USPAT | OR | ON | 2007/10/30 11:23 |
| S18 | 46  | @ad<"20011230" and sodium adj hydroxide and (sodium adj aluminate or aluminum adj hydroxide) and (sodium adj silicate or water adj glass or white adj carbon or boehmite or colloidal adj silica) and (no adj organic)   | US-PGPUB; USPAT | OR | ON | 2007/10/30 12:41 |
| S19 | 32  | @ad<"20011230" and sodium adj hydroxide and (sodium adj aluminate or aluminum adj hydroxide) and (sodium adj silicate or water adj glass or white adj carbon or boehmite or colloidal adj silica) and ((no or without) adj organic) and (zeolite or aluminosilicate) | US-PGPUB; USPAT | OR | ON | 2007/10/30 12:41 |

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| S20 | 1308 | @ad< "20011230" and sodium adj hydroxide and (sodium adj aluminate or aluminum adj hydroxide) and (sodium adj silicate or water adj glass or white adj carbon or boehmite or colloidal adj silica) and (zeolite or aluminosilicate)   | US-PGPUB; USPAT | OR | ON | 2007/10/30 14:14 |
| S21 | 185  | @ad< "20011230" and sodium adj hydroxide and (sodium adj aluminate or aluminum adj hydroxide) and (sodium adj silicate or water adj glass or white adj carbon or boehmite or colloidal adj silica) and (zeolite or aluminosilicate) and (nucleate or nucleation or nucleated or nucleates or nuclei) and (crystallization or crystallize or crystallizing or crystallized)          | US-PGPUB; USPAT | OR | ON | 2007/10/30 14:15 |
| S22 | 70   | @ad< "20011230" and sodium adj hydroxide and (sodium adj aluminate or aluminum adj hydroxide) and (sodium adj silicate or water adj glass or white adj carbon or boehmite or colloidal adj silica) and (zeolite or aluminosilicate) and (nucleate or nucleation or nucleated or nucleates or nuclei) and (crystallization or crystallize or crystallizing or crystallized) not seed | US-PGPUB; USPAT | OR | ON | 2007/10/30 14:42 |
| S23 | 72   | zsm-5.ti.   | US-PGPUB; USPAT | OR | ON | 2007/10/30 15:59 |
| S24 | 80   | SK adj CORPORATION.as.  | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:00 |
| S25 | 5    | (423/700-718.ccls.) and variable adj temperature  | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:05 |
| S26 | 11   | (423/700-718.ccls.) and ((crystallization crystallizing or crystal) and (seed or nucleation or nucleating or nucleated) adj temperature)  | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:12 |

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| S27 | 5     | (423/700-718.ccls.) and ((crystallization crystallizing or crystal) and (seed or nucleation or nucleating or nucleated)) adj temperature  | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:13 |
| S28 | 7     | (423/700-718.ccls.) and ((crystallization crystallizing or crystal) and (seed or nucleation or nucleating or nucleated)) adj (temperature or step)  | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:23 |
| S29 | 4     | (423/700-718.ccls.) and ((crystallization crystallizing or crystal) and (nucleation or nucleating or nucleated)) adj (temperature or step)  | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:24 |
| S30 | 20598 | (aluminosilicate zeolite) not organic   | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:35 |
| S31 | 8037  | (aluminosilicate zeolite) and sodium not organic  | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:36 |
| S32 | 3937  | (aluminosilicate zeolite) and sodium not organic not catalyst   | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:36 |
| S33 | 3937  | (aluminosilicate zeolite) and sodium not (organic catalyst)   | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:36 |
| S34 | 22    | (aluminosilicate zeolite) and sodium not (organic catalyst) and nucleate  | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:45 |
| S35 | 115   | (aluminosilicate zeolite) and sodium not (organic catalyst) and nucleation  | US-PGPUB; USPAT | OR | ON | 2007/10/30 16:50 |
| S36 | 1536  | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and (composition or ratio)  | US-PGPUB; USPAT | OR | ON | 2007/11/13 08:56 |
| S37 | 177   | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and (composition or ratio) and (Crystallization and crystallize or crystallizing) and (nucleation or nucleated or nucleate) | US-PGPUB; USPAT | OR | ON | 2007/11/13 09:00 |
| S38 | 49    | "4483835"   | US-PGPUB; USPAT | OR | ON | 2007/11/13 09:04 |
| S39 | 84    | "4257885"   | US-PGPUB; USPAT | OR | ON | 2007/11/13 10:16 |

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| S40 | 4  | ("4257885" "4565681" "4257885" "5240892" "5254327").did.   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/13<br>10:21 |
| S41 | 49 | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and (composition or ratio) and (Crystallization and crystallize or crystallizing) and (nucleation or nucleated or nucleate) and (two adj step or two-step or twostep or secondary adj step or crystallization adj step or nucleation adj step)               | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/13<br>11:15 |
| S42 | 29 | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and (composition or ratio) and (Crystallization and crystallize or crystallizing) and (nucleation or nucleated or nucleate) and (two adj step or two-step or twostep or secondary adj step or crystallization adj step or nucleation adj step) and increased | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/13<br>11:52 |
| S43 | 19 | ("4544538").PN. OR ("4665110").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/13<br>12:00 |
| S44 | 4  | US-4257885-\$.DID. OR US-4565681-\$.DID. OR US-5240892-\$.DID. OR US-5254327-\$.DID.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/13<br>14:43 |
| S45 | 12 | ("4657748"   "4665110"   "4826667"   "4834958"   "4859442").PN. OR ("5256391").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/13<br>15:25 |
| S46 | 19 | ("3676063"   "4544538"   "4557917"   "4610855"   "4665110"   "4826667"   "5202014"   "5256391").PN. OR ("5573746").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/13<br>15:47 |
| S47 | 12 | ("4657748"   "4665110"   "4826667"   "4834958"   "4859442").PN. OR ("5256391").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/13<br>16:00 |

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| S48 | 20   | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and (composition or ratio) and (Crystallization and crystallize or crystallizing) and (nucleation or nucleated or nucleate) and (two adj step or two-step or twostep or secondary adj step or crystallization adj step or nucleation adj step) not S42 | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:03 |
| S49 | 127  | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and (Crystallization and crystallize or crystallizing) and (nucleation or nucleated or nucleate) not (S48 or S47 S46 S45 S44 S43 S42 S41)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:04 |
| S50 | 1003 | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and reaction and (increase or increased) not (S48 or S47 S46 S45 S44 S43 S42 S41)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:08 |
| S51 | 101  | SK adj CORPORATION   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:12 |
| S52 | 1109 | (423/700-718.ccls.) and (increase or increased) and (temperature)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:18 |
| S53 | 712  | (423/700-718.ccls.) and (zsm-5 or ZSM5)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:19 |
| S54 | 496  | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and reaction and (decrease or decreased) not (S48 or S47 S46 S45 S44 S43 S42 S41)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:19 |
| S55 | 366  | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and reaction and (decrease or decreased) not (S48 or S47 S46 S45 S44 S43 S42 S41) and (crystallization or crystallize or crystallizing)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:21 |

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| S56 | 143    | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and reaction and (decrease or decreased) not (S48 or S47 S46 S45 S44 S43 S42 S41) and (crystallization or crystallize or crystallizing) and (nucleate or nucleation or nucleated)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:22 |
| S57 | 174030 | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and reaction and (decrease or decreased) not (S48 or S47 S46 S45 S44 S43 S42 S41) and (crystallization or crystallize or crystallizing) and (nucleate or nucleation or nucleated) (two-step or two adj step or twostep or multistep or multi-step)     | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:38 |
| S58 | 4      | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and reaction and (decrease or decreased) not (S48 or S47 S46 S45 S44 S43 S42 S41) and (crystallization or crystallize or crystallizing) and (nucleate or nucleation or nucleated) and (two-step or two adj step or twostep or multistep or multi-step) | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:38 |
| S59 | 4      | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and (decrease or decreased) not (S48 or S47 S46 S45 S44 S43 S42 S41) and (crystallization or crystallize or crystallizing) and (nucleate or nucleation or nucleated) and (two-step or two adj step or twostep or multistep or multi-step)              | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:41 |

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| S60 | 47 | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and (decrease or decreased) not (S48 or S47 S46 S45 S44 S43 S42 S41) and (two-step or two adj step or twostep or multistep or multi-step)  | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:41 |
| S61 | 48 | (crystallization reaction crystallize crystallizing) and (423/700-718.ccls.) and (decrease or decreased) not (S48 or S47 S46 S45 S44 S43 S42 S41) and (two-step or two adj step or twostep or multistep or multi-step)   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:53 |
| S62 | 33 | (crystallization reaction crystallize crystallizing) and (nucleate or nucleation or nucleating or seed or initial) and (423/700-718.ccls.) and (decrease or decreased) not (S48 or S47 S46 S45 S44 S43 S42 S41) and (two-step or two adj step or twostep or multistep or multi-step)                                   | US-PGPUB;<br>USPAT | OR | ON | 2007/11/13<br>16:53 |
| S63 | 49 | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and (composition or ratio) and (Crystallization and crystallize or crystallizing) and (nucleation or nucleated or nucleate) and (two adj step or two-step or twostep or secondary adj step or crystallization adj step or nucleation adj step) | US-PGPUB;<br>USPAT | OR | ON | 2007/11/14<br>08:01 |

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| S64 | 29 | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and (composition or ratio) and (Crystallization and crystallize or crystallizing) and (nucleation or nucleated or nucleate) and (two adj step or two-step or twostep or secondary adj step or crystallization adj step or nucleation adj step) and increased | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/14<br>08:01 |
| S65 | 19 | ("4544538").PN. OR ("4665110").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/14<br>08:01 |
| S66 | 4  | US-4257885-\$.DID. OR US-4565681-\$.DID. OR US-5240892-\$.DID. OR US-5254327-\$.DID.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/14<br>08:01 |
| S67 | 12 | ("4657748"   "4665110"   "4826667"   "4834958"   "4859442").PN. OR ("5256391").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/14<br>08:01 |
| S68 | 19 | ("3676063"   "4544538"   "4557917"   "4610855"   "4665110"   "4826667"   "5202014"   "5256391").PN. OR ("5573746").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/14<br>08:01 |
| S69 | 12 | ("4657748"   "4665110"   "4826667"   "4834958"   "4859442").PN. OR ("5256391").URPN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/14<br>08:01 |
| S70 | 20 | (aluminosilicate or zeolite or molecular sieve) and (423/700-718.ccls.) and (composition or ratio) and (Crystallization and crystallize or crystallizing) and (nucleation or nucleated or nucleate) and (two adj step or two-step or twostep or secondary adj step or crystallization adj step or nucleation adj step) not S64       | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/14<br>08:01 |
| S71 | 82 | ZSM-5 and (423/700-718.ccls.) and (Crystallization and crystallize or crystallizing) and (nucleation or nucleated or nucleate) not (S70 or S69 S68 S67 S66 S65 S64 S63)  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/14<br>08:01 |

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|-----|------|--|------------------------|----|----|------------------|
| S72 | 12   | control NEAR3 size and (423/700-718.ccls.) and (Crystallization and crystallize or crystallizing) and (nucleation or nucleated or nucleate) not (S70 or S69 S68 S67 S66 S65 S64 S63) | US-PGPUB; USPAT        | OR | ON | 2007/11/14 08:02 |
| S73 | 16   | "5254327"  | US-PGPUB; USPAT        | OR | ON | 2007/11/14 08:09 |
| S74 | 38   | control NEAR3 size and (423/700-718.ccls.) and ZSM-5 not (S70 or S69 S68 S67 S66 S65 S64 S63)  | US-PGPUB; USPAT        | OR | ON | 2007/11/14 08:12 |
| S75 | 703  | (423/700-718.ccls.) and ZSM-5  | US-PGPUB; USPAT        | OR | ON | 2007/11/14 08:30 |
| S76 | 197  | (423/700-718.ccls.) and (ZSM-5.ti..ab. or ZSM-5.clm.)  | US-PGPUB; USPAT        | OR | ON | 2007/11/14 08:30 |
| S77 | 0    | ("2002/0146367").URPN.   | USPAT                  | OR | ON | 2007/11/14 08:34 |
| S78 | 19   | ("4025571"   "4025572"   "4082805"   "4139600"   "4151189").PN. OR ("4526879").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/14 08:52 |
| S79 | 115  | (423/700-718.ccls.) and reaction near4 cooled  | US-PGPUB; USPAT        | OR | ON | 2007/11/14 09:04 |
| S80 | 8    | ("4687654"   "4818509").PN. OR ("5089243").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/14 09:14 |
| S81 | 65   | (423/700-718.ccls.) and (two-step or twostep or two adj step) not (S79 or S80 or S76)  | US-PGPUB; USPAT        | OR | ON | 2007/11/14 09:22 |
| S82 | 2141 | zsm-5 and (preparation or method or synthesis or preparing or synthesizing).ti.  | US-PGPUB; USPAT        | OR | ON | 2007/11/19 11:07 |
| S83 | 7660 | zsm-5 and (preparation or method or synthesis or preparing or synthesizing)".ti.ti..clm.."   | US-PGPUB; USPAT        | OR | ON | 2007/11/19 11:07 |
| S84 | 545  | zsm-5.ti..clm. and (preparation or method or synthesis or preparing or synthesizing).ti.   | US-PGPUB; USPAT        | OR | ON | 2007/11/19 11:07 |
| S85 | 185  | zsm-5.ti..clm. and (preparation or method or synthesis or preparing or synthesizing).ti. and (zsm or zeolite or sieve).ti.   | US-PGPUB; USPAT        | OR | ON | 2007/11/19 11:22 |

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|-----|-------|---|------------------------------|----|----|---------------------|
| S86 | 8     | ("4687654"   "4818509").<br>PN. OR ("5089243").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20<br>15:01 |
| S87 | 22    | ("3310373"   "3425800"  <br>"3886094"   "4310440"  <br>"4336234"   "4368174"  <br>"4371510"   "4374093"  <br>"4385042"   "4440871"  <br>"4591491"   "4818509"  <br>"4853197"   "4880761"  <br>"5089243"   "5100636"  <br>"5302362"   "5427765"  <br>"5989518"   "6146613").<br>PN. OR ("6656447").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20<br>15:02 |
| S88 | 28    | S86 or S87  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20<br>15:02 |
| S89 | 19    | ("2882243"   "2904607"  <br>"3058805"   "4010116"  <br>"4041135"   "4248847").<br>PN. OR ("4371510").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20<br>15:14 |
| S90 | 19    | ("20010012505"  <br>"20020062737"  <br>"5089243"   "5310714"  <br>"5716527"   "5723397"  <br>"5827569"   "5935440"  <br>"5968366"   "6039792"  <br>"6074457"   "6090289"  <br>"6193784"   "6387269"  <br>"6395067"   "6440885"  <br>"6472016").PN. OR<br>("6582495").URPN.                              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20<br>15:17 |
| S91 | 49    | ("4565681" "5240892"<br>"5254327").did"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20<br>15:38 |
| S92 | 128   | "4565681" "5240892"<br>"5254327" "4257885"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20<br>15:40 |
| S93 | 44    | "5240892" "5254327"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20<br>15:42 |
| S95 | 14    | (S86 or S87 or S88 or S89<br>or S90 or S91) and "175"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20<br>15:48 |
| S96 | 8     | (S86 or S87 or S88 or S89<br>or S90 or S91) and "175"<br>and zsm  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/20<br>15:51 |
| S97 | 22483 | continuous and zeolite  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/21<br>08:02 |
| S98 | 4212  | continuous and zeolite and<br>crystallization   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/21<br>08:03 |

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|------|---------|--|-----------------|----|----|------------------|
| S99  | 3486    | continuous and zeolite and crystallization and phase   | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:03 |
| S100 | 3617    | continuous and zeolite and crystallization and (step)  | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:06 |
| S101 | 4043    | continuous and zeolite and crystallization and (step or phase)   | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:06 |
| S102 | 1834927 | continuous and zeolite and crystallization and (step or phase) (cooled decrease cool)  | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:07 |
| S103 | 3128    | continuous and zeolite and crystallization and (step or phase) and (cooled decrease cool)  | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:07 |
| S104 | 3121    | continuous and zeolite and crystallization and (step or phase) and (cooled decrease cool) and temperature  | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:07 |
| S105 | 1722    | continuous and zeolite and crystallization and (step or phase) and (cooled decrease cool) and temperature and particle adj size  | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:08 |
| S106 | 1260    | continuous and zeolite and crystallization and (step or phase) and (cooled decrease cool) and temperature and particle adj size and control  | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:08 |
| S107 | 213     | continuous and (zeolite or aluminosilicate or sieve).ti. and crystallization and (step or phase) and (cooled decrease cool) and temperature and particle adj size and control                  | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:08 |
| S108 | 99      | continuous and (zeolite or aluminosilicate or sieve).ti. and crystallization and (step or phase) and (cooled decrease cool) adj4 temperature and temperature and particle adj size and control | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:17 |

|      |    |   |                 |    |    |                  |
|------|----|---|-----------------|----|----|------------------|
| S109 | 21 | continuous and (zeolite or aluminosilicate or sieve).ti. and crystallization and (step or phase) and (cooled decrease cool decreased) adj4 temperature and temperature and particle adj size and control not (cooled decrease cool decreased) adj4 room                                 | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:20 |
| S110 | 12 | continuous and (zeolite or aluminosilicate or sieve).ti. and crystallization and (step or phase) and (cooled decrease cool decreased) adj4 temperature and temperature and particle adj size and control not (cooled decrease cool decreased) adj4 room not (catalyst or catalytic).ti. | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:23 |
| S111 | 0  | (zeolite or aluminosilicate or sieve).ti. and crystallization and (cooled decrease cool decreased). clm. adj4 temperature and temperature and particle adj size and control not (cooled decrease cool decreased) adj4 room not (catalyst or catalytic).ti.                              | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:23 |
| S112 | 2  | (zeolite or aluminosilicate or sieve).ti. and crystallization and (cooled decrease cool decreased). clm. adj4 temperature not (cooled decrease cool decreased) adj4 room not (catalyst or catalytic).ti.  | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:24 |
| S113 | 0  | (zeolite or aluminosilicate or sieve).ti. and crystallization and (cooled decrease cool decreased). clm. adj4 temperature not (cooled decrease cool decreased) adj4 (room ambient) not (catalyst or catalytic).ti.  | US-PGPUB; USPAT | OR | ON | 2007/11/21 08:25 |

|      |     |  |                        |    |    |                  |
|------|-----|--|------------------------|----|----|------------------|
| S114 | 70  | (zeolite or aluminosilicate or sieve).ti. and crystallization and (cooled decrease cool decreased) adj4 temperature not (cooled decrease cool decreased) adj4 (room ambient) not (catalyst or catalytic).ti.   | US-PGPUB; USPAT        | OR | ON | 2007/11/21 08:25 |
| S115 | 204 | 423/710-711.ccls.  | US-PGPUB; USPAT        | OR | ON | 2007/11/21 11:06 |
| S116 | 210 | 423/dig.22.ccls.   | US-PGPUB; USPAT        | OR | ON | 2007/11/21 13:06 |
| S117 | 202 | 423/dig.22.ccls. not S115  | US-PGPUB; USPAT        | OR | ON | 2007/11/21 13:14 |
| S118 | 19  | ("4025571"   "4025572"   "4082805"   "4139600"   "4151189").PN. OR ("4526879").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 13:15 |
| S119 | 8   | ("4687654"   "4818509").PN. OR ("5089243").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 13:15 |
| S120 | 8   | ("4687654"   "4818509").PN. OR ("5089243").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 13:15 |
| S121 | 22  | ("3310373"   "3425800"   "3886094"   "4310440"   "4336234"   "4368174"   "4371510"   "4374093"   "4385042"   "4440871"   "4591491"   "4818509"   "4853197"   "4880761"   "5089243"   "5100636"   "5302362"   "5427765"   "5989518"   "6146613").PN. OR ("6656447").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 13:15 |
| S122 | 28  | S120 or S121   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 13:15 |
| S123 | 19  | ("2882243"   "2904607"   "3058805"   "4010116"   "4041135"   "4248847").PN. OR ("4371510").URPN.   | US-PGPUB; USPAT; USOCR | OR | ON | 2007/11/21 13:15 |

|      |     |  |                              |    |    |                     |
|------|-----|--|------------------------------|----|----|---------------------|
| S124 | 19  | ("20010012505"  <br>"20020062737"  <br>"5089243"   "5310714"  <br>"5716527"   "5723397"  <br>"5827569"   "5935440"  <br>"5968366"   "6039792"  <br>"6074457"   "6090289"  <br>"6193784"   "6387269"  <br>"6395067"   "6440885"  <br>"6472016").PN. OR<br>("6582495").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/21<br>13:15 |
| S125 | 49  | ("4565681" "5240892"<br>"5254327").did"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/11/21<br>13:15 |
| S126 | 176 | 423/dig.22.ccls. not (S115<br>S114 S110 S109 S120<br>S121 S122 S123 S124<br>S125 S119 S118)  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/21<br>13:15 |
| S127 | 37  | variable.ti. and (zsm or<br>zeolite)   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/26<br>14:42 |
| S128 | 45  | (variable varying).ti. and<br>(zsm or zeolite)   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/26<br>14:43 |
| S129 | 8   | (varying).ti. and (zsm or<br>zeolite)  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/26<br>14:43 |
| S130 | 17  | "5254327"  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/26<br>14:43 |
| S134 | 55  | yongsheng.in.  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/26<br>14:45 |
| S135 | 0   | yongsheng.in. and (zeolite<br>or zsm-5 or sieve)   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/26<br>14:47 |
| S136 | 279 | 95/141.ccls.   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/26<br>14:55 |
| S137 | 279 | 95/141.ccls. "210"".""690".<br>ccls. 502/001.ccls.   | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/26<br>14:56 |
| S138 | 600 | 95/141.ccls. 210/690.ccls.<br>502/001.ccls.  | US-PGPUB;<br>USPAT           | OR | ON | 2007/11/26<br>14:56 |

11/28/2007 2:58:11 PM

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